STIC Search Report
EIC 3600

STIC Database Tracking Number: 119451

TO:	From:
Frantz Jules **Location: Pk. 5, 6A09** **Art Unit: 3617** **Thursday, April 15, 2004** **Case Serial Number: 10/619425**	**Caryn Wesner-Early** **Location: EIC 3600** **PK5-Suite 804** **Phone: 306-5967** **caryn.wesner@uspto.gov**

Search Notes

If a modification or re-focus of this search is needed, please let me know.

Caryn S. Wesner-Early, MSLS
Technical Information Specialist
EIC 3600, US Patent & Trademark Office
Phone: (703) 306-5967
Fax: (703) 306-5758
caryn.wesner@uspto.gov

Griffin, Etelka

From: Unknown@Unknown.com
Sent: Thursday, April 15, 2004 7:53 AM
To: STIC-EIC3600
Subject: Generic form response

(9)

ResponseHeader=Commercial Database Search Request

AccessDB#= 119451 451

LogNumber= 9

Searcher= O'Neal-Daly

SearcherPhone= 306-5967

SearcherBranch= 3600

MyDate=Thu Apr 15 07:53:09 EDT 2004

submitto=STIC-EIC3600@uspto.gov

Name=Frantz Jules

Empno=77715

Phone=308-8780

Artunit=3617

Office=PK-5

Serialnum=10,~~918~~ 619,425

PatClass=246/120

b61l-023? 246/295 340/988 701/213
b61l-013? g08g-001? g01c-021?
" -029?

Earliest=1 July 2002

Format1=paper

Searchtopic=Method for activating a warning device on a train at a location comprising maintaining a database of locations at which the warning device must be activated and corresponding regulation concerning activation of the warning device; obtaining a position of the train from a positioning system; selecting a next upcoming location from among the locations in the database based at least in part of the posiiton; determining a point at which to activate the warning device in compliance with a regulation corresponding to the next upcoming location.

Comments=

send=SEND

STIC Search Results Feedback Form

EIC 3600

Questions about the scope or the results of the search? Contact ***the EIC searcher or contact:***

Karen Lehman, EIC 3600 Team Leader
306-5783, PK5- Suite 804

Voluntary Results Feedback Form

- *I am an examiner in Workgroup:* ☐ *Example: 3620 (optional)*
- *Relevant prior art **found**, search results used as follows:*
  - ☐ 102 rejection
  - ☐ 103 rejection
  - ☐ Cited as being of interest.
  - ☐ Helped examiner better understand the invention.
  - ☐ Helped examiner better understand the state of the art in their technology.

  Types of relevant prior art found:
  - ☐ Foreign Patent(s)
  - ☐ Non-Patent Literature
    (journal articles, conference proceedings, new product announcements etc.)
- *Relevant prior art **not found:***
  - ☐ Results verified the lack of relevant prior art (helped determine patentability).
  - ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to EIC3600 PK5 Suite 804

Search and Information Resources Administration

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?show files;ds
File 347:JAPIO Nov 1976-2003/Dec(Updated 040402)
         (c) 2004 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2004/Apr W01
         (c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040408,UT=20040401
         (c) 2004 WIPO/Univentio
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200423
         (c) 2004  Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
         (c) 2002 INPI.  All rts. reserv.
File 120:U.S. Copyrights 1978-2004/Mar 30
         (c) format only 2004 The Dialog Corp.
File 426:LCMARC-Books 1968-2004/Mar W1
         (c) format only 2004 Dialog Corporation
File 430:British Books in Print 2003/Nov W5
         (c) 2003 J. Whitaker & Sons Ltd.
File 483:Newspaper Abs Daily 1986-2004/Apr 14
         (c) 2004 ProQuest Info&Learning
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         (c) 2004 ProQuest Info&Learning
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         (c) 2004 BLDSC all rts. reserv.
File   8:Ei Compendex(R) 1970-2004/Apr W1
         (c) 2004 Elsevier Eng.  Info. Inc.
File  94:JICST-EPlus 1985-2004/Mar W4
         (c)2004 Japan Science and Tech Corp(JST)
File   6:NTIS 1964-2004/Apr W2
         (c) 2004 NTIS, Intl Cpyrght All Rights Res
File 144:Pascal 1973-2004/Apr W1
         (c) 2004 INIST/CNRS
File  63:Transport Res(TRIS) 1970-2004/Mar
         (c) fmt only 2004 Dialog Corp.
File  99:Wilson Appl. Sci & Tech Abs 1983-2004/Mar
         (c) 2004 The HW Wilson Co.
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File  58:GeoArchive 1974-2004/Oct
         (c) 2004 Geosystems
File 292:GEOBASE(TM) 1980-2004/Apr B1
         (c) 2004 Elsevier Science Ltd.
File  89:GeoRef 1785-2004/Apr B2
         (c) 2004 American Geological Institute
File   2:INSPEC 1969-2004/Apr W1
         (c) 2004 Institution of Electrical Engineers
File  34:SciSearch(R) Cited Ref Sci 1990-2004/Apr W2
         (c) 2004 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File 111:TGG Natl.Newspaper Index(SM) 1979-2004/Apr 15
         (c) 2004 The Gale Group
File   9:Business & Industry(R) Jul/1994-2004/Apr 14
         (c) 2004  The Gale Group
File  15:ABI/Inform(R) 1971-2004/Apr 15
         (c) 2004 ProQuest Info&Learning
File 148:Gale Group Trade & Industry DB 1976-2004/Apr 15
         (c)2004 The Gale Group
File 647:CMP  Computer Fulltext 1988-2004/Apr W1
         (c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/Apr W1
         (c) 2004 IDG Communications
File 990:NewsRoom Current Jan-2004/Apr 15
         (c) 2004 The Dialog Corporation
File  80:TGG Aerospace/Def.Mkts(R) 1986-2004/Apr 15
         (c) 2004 The Gale Group
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File 275:Gale Group Computer DB(TM) 1983-2004/Apr 15
         (c) 2004 The Gale Group
File  47:Gale Group Magazine DB(TM) 1959-2004/Apr 15
         (c) 2004 The Gale group
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Apr 15
         (c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Apr 15
         (c) 2004 The Gale Group
File  16:Gale Group PROMT(R) 1990-2004/Apr 15
         (c) 2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
         (c) 2003 EBSCO Pub.
File 587:Jane`s Defense&Aerospace 2004/Apr W2
         (c) 2004 Jane`s Information Group
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         (c) 2004 American Mathematical Society
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         (c) 2004 McGraw-Hill Co. Inc
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         (c)2004 Info.Sources Inc
File 484:Periodical Abs Plustext 1986-2004/Apr W2
         (c) 2004 ProQuest
File 141:Readers Guide 1983-2004/Apr
         (c) 2004 The HW Wilson Co

Set     Items   Description
S1        378   AU='KANE M'
S2         27   AU='KANE M E'
S3          9   AU='KANE M.'
S4          2   AU='KANE M.E.'
S5         27   AU='KANE MARK'
S6          5   AU='KANE MARK EDWARD'
S7         38   AU='KANE ME'
S8          7   AU='KANE, M'
S9        234   AU='KANE, M.'
S10         9   AU='KANE, M. E.':AU='KANE, M. ET AL'
S11         1   AU='KANE, M.E.'
S12       192   AU='KANE, MARK'
S13        91   AU='KANE, MARK.'
S14         2   AU='SHOCKLEY J'
S15        10   AU='SHOCKLEY J F'
S16         6   AU='SHOCKLEY J.':AU='SHOCKLEY JAMES FRANCIS'
S17         2   AU='SHOCKLEY, J.'
S18         3   AU='SHOCKLEY, JAMES'
S19        21   AU='HICKENLOOPER H T':AU='HICKENLOOPER HARRISON THOMAS'
S20         0   AU='HICKENLOOPER, H'
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              OR S20
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S23     76827   IC=(B61L-023? OR B61L-013? OR B61L-029? OR G08G-001? OR G0-
             1C-021?)
S24         1   S22 AND S23
S25  11897281   WARNING OR HORN? ? OR WHISTLE? ? OR BELL? ? OR SIREN? ? OR
             ALARM? ? OR ALERT? ? OR SIGNAL? ? OR STEAMWHISTLE? ? OR ALARU-
             M? ? OR HONK??? OR TOOT??? OR RING???
S26        26   S22 AND S25
S27        18   S26 AND (TRAIN? ? OR RAILWAY? OR RAILROAD? OR RAIL()(WAY OR
              ROAD) OR ROLLING()STOCK OR FREIGHTTRAIN? ? OR EXPRESSTRAIN? ?
              OR PASSENGERTRAIN? ? OR LOCOMOTIVE? ? OR FREIGHTLINER OR FRE-
             IGHTER OR STEAMTRAIN? OR DIESELTRAIN? OR ELECTRICTRAIN?)
S28        18   S24 OR S27
S29        18   IDPAT (sorted in duplicate/non-duplicate order)
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S30	15	IDPAT (primary/non-duplicate records only)
S31	975	S21 NOT S22
S32	43	S25 AND S31
S33	1	S32 AND (TRAIN? ? OR RAILWAY? OR RAILROAD? OR RAIL()(WAY OR ROAD) OR ROLLING()STOCK OR FREIGHTTRAIN? ? OR EXPRESSTRAIN? ? OR PASSENGERTRAIN? ? OR LOCOMOTIVE? ? OR FREIGHTLINER OR FREIGHTER OR STEAMTRAIN? OR DIESELTRAIN? OR ELECTRICTRAIN?)
S34	16	S30 OR S33

34/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01706610
METHOD AND SYSTEM FOR AUTOMATICALLY ACTIVATING A *WARNING* DEVICE ON A *TRAIN*
SYSTEME PERMETTANT DE DECLENCHER AUTOMATIQUEMENT LE SYSTEME AVERTISSEUR D'UN *TRAIN* ET TECHNIQUE CORRESPONDANTE
PATENT ASSIGNEE:
QUANTUM ENGINEERING, INC., (4631290), 352 Stowe Avenue, Orange Park,FL 32073, (US), (Applicant designated States: all)
INVENTOR:
KANE, Mark, Edward, 2653 Holly Point Drive, Orange Park, FL 32073, (US)
SHOCKLEY, James, Francis, 3011 Doctors Lake Drive, Orange Park, FL 32073, (US)
HICKENLOOPER, Harrison, Thomas, Route 3, Box 1830, Palatka, FL 32177, (US
PATENT (CC, No, Kind, Date): WO 2004002801 040108
APPLICATION (CC, No, Date): EP 2003762272 030701; WO 2003US20667 030701
PRIORITY (CC, No, Date): US 184929 020701
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LI; LU; MC; NL
EXTENDED DESIGNATED STATES: AL; LT; LV; MK
INTERNATIONAL PATENT CLASS: B61L-001/00
LANGUAGE (Publication,Procedural,Application): English; English; English

METHOD AND SYSTEM FOR AUTOMATICALLY ACTIVATING A *WARNING* DEVICE ON A *TRAIN*
SYSTEME PERMETTANT DE DECLENCHER AUTOMATIQUEMENT LE SYSTEME AVERTISSEUR D'UN *TRAIN* ET TECHNIQUE CORRESPONDANTE
INVENTOR:
KANE, Mark, Edward...

...US)
SHOCKLEY, James, Francis...

...US)
HICKENLOOPER, Harrison, Thomas...

34/3,K/3 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015984552 **Image available**
WPI Acc No: 2004-142402/200414
Related WPI Acc No: 2003-895318
XRPX Acc No: N04-113641
***Train* *warning* device e.g. *bell* activating method, selecting next upcoming location from database based on speed and position, and determining point to activate device in compliance with regulation related to location**
Patent Assignee: HICKENLOOPER H T (HICK-I); KANE M E (KANE-I); SHOCKLEY J F (SHOC-I)
Inventor: *HICKENLOOPER H T*; *KANE M E*; *SHOCKLEY J F*
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20040015276	A1	20040122	US 2002184929	A	20020701	200414	B
			US 2003619425	A	20030716		

Priority Applications (No Type Date): US 2002184929 A 20020701; US 2003619425 A 20030716

Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 20040015276 A1   6 G06F-007/00   Cont of application US 2002184929
                                       Cont of patent US 6609049

***Train* *warning* device e.g. *bell* activating method, selecting next upcoming location from database based on speed and position, and determining...**

Inventor: *HICKENLOOPER H T*...

...*KANE M E*...

...*SHOCKLEY J F*

Abstract (Basic):

... The method involves maintaining a database of locations at which a *warning* device must be activated. A position and a speed of a *train* are obtained from a positioning system. A next upcoming location is selected from the database based on the speed and the position. A point is determined to activate the *warning* device in compliance with a regulation related to the next upcoming location.

... An INDEPENDENT CLAIM is also included for a system for automatically activating a *warning* device on a *train* at a location ...

...Used for activating a *warning* device e.g. *bell*, flashing light and gate on a *train*.

...

...The method automatically activates a *train* *horn* in a prescribed manner at an appropriate place and time, thereby eliminating accidents at public...

...The drawing shows a flowchart of an automatic *horn* sounding method

Title Terms: *TRAIN*;

34/3,K/7 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015833114 **Image available**
WPI Acc No: 2003-895318/200382
Related WPI Acc No: 2004-142402
XRPX Acc No: N03-714321

Computerized method for activating *horn* on *train* involves selecting next upcoming location of *train*, determining point at which to activate *horn*, and activating *horn* at determined point

Patent Assignee: QUANTUM ENG INC (QUAN-N)
Inventor: *HICKENLOOPER H T*; *KANE M E*; *SHOCKLEY J F*
Number of Countries: 105 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6609049	B1	20030819	US 2002184929	A	20020701	200382	B
WO 200402801	A2	20040108	WO 2003US20667	A	20030701	200413	

Priority Applications (No Type Date): US 2002184929 A 20020701
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6609049	B1		6	G05D-001/00	
WO 200402801	A2	E		B61L-000/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ

VC VN YU ZA ZM ZW
Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

Computerized method for activating *horn* on *train* involves selecting next upcoming location of *train*, determining point at which to activate *horn*, and activating *horn* at determined point

Inventor: *HICKENLOOPER H T*...

...*KANE M E*...

...*SHOCKLEY J F*

Abstract (Basic):

... among the locations stored in a database based on the speed and position of a *train* obtained from a positioning system. A point at which to activate a *horn* is determined in compliance with a regulation corresponding to the next upcoming location. The *horn* is activated at the determined point.

... An INDEPENDENT CLAIM is also included for a system for automatically activating a *warning* device on a *train*.

...For activating *horn* on *train*.

...

...Activates *horn* automatically in prescribed manner at appropriate place and time...

...The figure is a flowchart of the computerized method for activating a *horn* on a *train*.

...Title Terms: *HORN*;

34/AA,AN,AZ,TI/1 (Item 1 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

01706610
METHOD AND SYSTEM FOR AUTOMATICALLY ACTIVATING A *WARNING* DEVICE ON A *TRAIN*
SYSTEME PERMETTANT DE DECLENCHER AUTOMATIQUEMENT LE SYSTEME AVERTISSEUR D'UN *TRAIN* ET TECHNIQUE CORRESPONDANTE
APPLICATION (CC, No, Date): EP 2003762272 030701; WO 2003US20667 030701
PRIORITY (CC, No, Date): US 184929 020701

34/AA,AN,AZ,TI/2 (Item 1 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

00818979
SYSTEM AND METHOD FOR REAL TIME VIDEO PRODUCTION
SYSTEME ET PROCEDE DESTINES A UNE PRODUCTION ET A UNE DIFFUSION SELECTIVE DE VIDEO EN TEMPS REEL
Application: WO 2001US547 20010109 (PCT/WO US0100547)

34/AA,AN,AZ,TI/3 (Item 1 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015984552
WPI Acc No: 2004-142402/
***Train* *warning* device e.g. *bell* activating method, selecting next upcoming location from database based on speed and position, and determining point to activate device in compliance with regulation related to location**
Local Applications (No Type Date): US 2002184929 A 20020701; US 2003619425 A 20030716
Priority Applications (No Type Date): US 2002184929 A 20020701; US 2003619425 A 20030716

34/AA,AN,AZ,TI/4 (Item 2 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015940608
WPI Acc No: 2004-098449/
Train* controlling system, has control unit to compare information from two positioning systems and to take corrective action when comparison indicates disconnection of front of *train* from rear of *train
Local Applications (No Type Date): US 2002186426 A 20020702; WO 2003US20745 A 20030702
Priority Applications (No Type Date): US 2002186426 A 20020702

34/AA,AN,AZ,TI/5 (Item 3 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015913135
WPI Acc No: 2004-070975/
***Train* wheel size determining method, involves determining linear distance traveled by *train*, and calculating wheel size based on total distance and total number of wheel revolutions occurring during determining steps**
Local Applications (No Type Date): US 2002157874 A 20020531; US 2003609377 A 20030701
Priority Applications (No Type Date): US 2003609377 A 20030701; US 2002157874 A 20020531

34/AA,AN,AZ,TI/6 (Item 4 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015876172
WPI Acc No: 2004-034003/
Size determining system for wheel of *train*, has control unit that determines the size of the wheel based on the distance traveled by the *train* and the information about the measured wheel rotation
Local Applications (No Type Date): US 2002157874 A 20020531; WO 2003US17212 A 20030602; US 2002157874 A 20020531
Priority Applications (No Type Date): US 2002157874 A 20020531

34/AA,AN,AZ,TI/7 (Item 5 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015833114
WPI Acc No: 2003-895318/
Computerized method for activating *horn* on *train* involves selecting next upcoming location of *train*, determining point at which to activate *horn*, and activating *horn* at determined point
Local Applications (No Type Date): US 2002184929 A 20020701; WO 2003US20667 A 20030701
Priority Applications (No Type Date): US 2002184929 A 20020701

34/AA,AN,AZ,TI/8 (Item 6 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

013605565
WPI Acc No: 2001-089773/
Antenna system for use in *locomotive* environment, outputs radio frequency *signal* having greatest power to increase immunity to variable distance between source and antenna
Local Applications (No Type Date): US 95571811 A 19951213; US 97939426 A 19970929; US 99317226 A 19990524
Priority Applications (No Type Date): US 97939426 A 19970929; US 95571811 A 19951213; US 99317226 A 19990524

34/AA,AN,AZ,TI/9 (Item 7 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

013370962
WPI Acc No: 2000-542901/
Positive *signal* comparator system for wayside signaling and on-board *locomotive* acknowledgment system for rail transportation, compares *signals* from switches of pendants and accordingly provides control *signals*
Local Applications (No Type Date): US 98105583 A 19980626
Priority Applications (No Type Date): US 98105583 A 19980626

34/AA,AN,AZ,TI/10 (Item 8 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

012743883
WPI Acc No: 1999-550000/
Dual near-field focused antenna array for use in *locomotive* environment

Local Applications (No Type Date): US 95571811 A 19951213; US 97939426 A 19970929
Priority Applications (No Type Date): US 97939426 A 19970929; US 95571811 A 19951213

34/AA,AN,AZ,TI/11 (Item 9 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

011634056
WPI Acc No: 1998-051184/
RF coupler for wireless communication between different carriages in e.g. *train* - has two coupler housings, each having two associated antenna elements which are configured to transceive separate channels for bidirectional communication, with coupler housings mounted to different carriages
Local Applications (No Type Date): US 96713521 A 19960913
Priority Applications (No Type Date): US 96713521 A 19960913

34/AA,AN,AZ,TI/12 (Item 10 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

011511125
WPI Acc No: 1997-489039/
Near-field focused fixed beam array antenna - has number of conductive elements which transduce electromagnetic *signals* which are initially shifted in phase and then coherently added by power divider
Local Applications (No Type Date): US 95571811 A 19951213
Priority Applications (No Type Date): US 95571811 A 19951213

34/AA,AN,AZ,TI/13 (Item 11 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

009324200
WPI Acc No: 1993-017664/
Speed sensitive visual *warning* system for *locomotive* - has light *signal* unit on *locomotive* body connected to control unit prolong manual-automatic energisation, with lights enabled-disabled above-below predetermined speed
Local Applications (No Type Date): US 90584357 A 19900918
Priority Applications (No Type Date): US 90584357 A 19900918

34/AA,AN,AZ,TI/14 (Item 12 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

007712078
WPI Acc No: 1988-346010/
Gravity operated tilt switch for end of *train* signalling equipment - turns power off when equipment is laid on its side after predetermined time constant determined by capacitor
Local Applications (No Type Date): US 8787333 A 19870820
Priority Applications (No Type Date): US 8787333 A 19870820

34/AA,AN,AZ,TI/15 (Item 13 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

007571232
WPI Acc No: 1988-205164/
Automatic *train*-line air brake pressure monitoring system - has amplifier providing *signal* proportional to sensed pressure in brake pipe and hold circuit storing *signals* peak value
Local Applications (No Type Date): US 8754449 A 19870527
Priority Applications (No Type Date): US 8754449 A 19870527

34/AA,AN,AZ,TI/16 (Item 1 from file: 484)

03745219
Gardener's almanac

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?show files;ds
File 347:JAPIO Nov 1976-2003/Dec(Updated 040402)
         (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200423
         (c) 2004  Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
         (c) 2002 INPI.  All rts. reserv.

Set     Items   Description
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              ALARM? ? OR ALERT? ? OR SIGNAL? ? OR STEAMWHISTLE? ? OR ALARU-
              M? ? OR HONK??? OR TOOT??? OR RING??? OR (FLASHING OR BLINKIN-
              G)()LIGHT? ? OR GATE? ? OR BARRIER? ?
S2     163447   TRAIN? ? OR RAILWAY? OR RAILROAD? OR RAIL()(WAY OR ROAD) OR
               ROLLING()STOCK OR FREIGHTTRAIN? ? OR EXPRESSTRAIN? ? OR PASS-
              ENGERTRAIN? ? OR LOCOMOTIVE? ? OR FREIGHTLINER OR FREIGHTER OR
               STEAMTRAIN? OR DIESELTRAIN? OR ELECTRICTRAIN?
S3    1789132   REQUIRED OR REQUIREMENT? ? OR REGULAT??? OR REG OR REGS OR
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              MPERATIVE OR MANDATORY OR ORDINANCE OR STATUT???
S4    4100595   LOCATION? ? OR INTERSECTION? ? OR HIGHWAY? ? OR PLACE? ? OR
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               OR SITE
S5     194946   DATABASE? ? OR DATABANK? ? OR DATASET? ? OR DATAFILE? ? OR
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              ?) OR DB OR RDBMS OR DBMS OR OODB
S6      15611   S1(10N)S2
S7     106519   S3(5N)S4
S8        316   S5(10N)S7
S9          0   S6(S)S8
S10         0   S6 AND S8
S11    145679   S3(10N)S4
S12      1435   S5(S)S11
S13         6   S6 AND S12
S14     28694   S1(S)S2
S15         8   S12 AND S14
S16         8   IDPAT (sorted in duplicate/non-duplicate order)
S17         8   IDPAT (primary/non-duplicate records only)
```

17/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015984552 **Image available**
WPI Acc No: 2004-142402/200414
Related WPI Acc No: 2003-895318
XRPX Acc No: N04-113641

Train* *warning* device e.g. *bell* activating method, selecting next upcoming location from *database* based on speed and *position*, and determining *point* to activate device in compliance with *regulation* related to *location

Patent Assignee: HICKENLOOPER H T (HICK-I); KANE M E (KANE-I); SHOCKLEY J F (SHOC-I)
Inventor: HICKENLOOPER H T; KANE M E; SHOCKLEY J F
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040015276	A1	20040122	US 2002184929	A	20020701	200414 B
			US 2003619425	A	20030716	

Priority Applications (No Type Date): US 2002184929 A 20020701; US 2003619425 A 20030716
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040015276	A1		6	G06F-007/00	Cont of application US 2002184929 Cont of patent US 6609049

Train* *warning* device e.g. *bell* activating method, selecting next upcoming location from *database* based on speed and *position*, and determining *point* to activate device in compliance with *regulation* related to *location

Abstract (Basic):
... The method involves maintaining a database of locations at which a *warning* device must be activated. A position and a speed of a *train* are obtained from a positioning system. A next upcoming location is selected from the database based on the speed and the position. A point is determined to activate the *warning* device in compliance with a *regulation* related to the next upcoming *location*.

... An INDEPENDENT CLAIM is also included for a system for automatically activating a *warning* device on a *train* at a location ...

...Used for activating a warning device e.g. bell, flashing light and *gate* on a *train*.
...

...The method automatically activates a *train* *horn* in a prescribed manner at an appropriate place and time, thereby eliminating accidents at public
Title Terms: *TRAIN*;

17/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015833114 **Image available**
WPI Acc No: 2003-895318/200382
Related WPI Acc No: 2004-142402
XRPX Acc No: N03-714321

Computerized method for activating *horn* on *train* involves selecting next upcoming location of *train*, determining point at which to activate

***horn*, and activating *horn* at determined point**

Patent Assignee: QUANTUM ENG INC (QUAN-N)
Inventor: HICKENLOOPER H T; KANE M E; SHOCKLEY J F
Number of Countries: 105 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6609049	B1	20030819	US 2002184929	A	20020701	200382	B
WO 200402801	A2	20040108	WO 2003US20667	A	20030701	200413	

Priority Applications (No Type Date): US 2002184929 A 20020701
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6609049	B1		6	G05D-001/00	
WO 200402801	A2	E		B61L-000/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

Computerized method for activating *horn* on *train* involves selecting next upcoming location of *train*, determining point at which to activate *horn*, and activating *horn* at determined point

Abstract (Basic):

... among the locations stored in a database based on the speed and position of a *train* obtained from a positioning system. A point at which to activate a *horn* is determined in compliance with a *regulation* corresponding to the next upcoming *location*. The *horn* is activated at the determined point.

... An INDEPENDENT CLAIM is also included for a system for automatically activating a *warning* device on a *train*.

...

...For activating *horn* on *train*.

...

...The figure is a flowchart of the computerized method for activating a *horn* on a *train*.

...Title Terms: *HORN*;

17/AN,AZ,TI/1 (Item 1 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015984552
Train* *warning* device e.g. *bell* activating method, selecting next upcoming location from *database* based on speed and *position*, and determining *point* to activate device in compliance with *regulation* related to *location
Local Applications (No Type Date): US 2002184929 A 20020701; US 2003619425 A 20030716
Priority Applications (No Type Date): US 2002184929 A 20020701; US 2003619425 A 20030716

17/AN,AZ,TI/2 (Item 2 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015833114
Computerized method for activating *horn* on *train* involves selecting next upcoming location of *train*, determining point at which to activate *horn*, and activating *horn* at determined point
Local Applications (No Type Date): US 2002184929 A 20020701; WO 2003US20667 A 20030701
Priority Applications (No Type Date): US 2002184929 A 20020701

17/AN,AZ,TI/3 (Item 3 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

012618125
Automatic route control apparatus for *regulating* operation of on-*site* device in train station - has *database* that stores response from on-site device and operation indication with time information sent to on-site device, and switching processor that inputs information from *database* for reproduction
Local Applications (No Type Date): JP 97344659 A 19971215
Priority Applications (No Type Date): JP 97344659 A 19971215

17/AN,AZ,TI/4 (Item 4 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

06803418
AUTOMATIC TRAIN CONTROL DEVICE

APPL. NO.: 11-207238 [JP 99207238]

17/AN,AZ,TI/5 (Item 5 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

04710362
POSITION REGISTRATION METHOD

APPL. NO.: 05-192808 [JP 93192808]

17/AN,AZ,TI/6 (Item 6 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

04064291
POSITION REGISTRATION SYSTEM

APPL. NO.: 03-237461 [JP 91237461]

17/AN,AZ,TI/7 (Item 7 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

04054844
DATA ASSURING DEVICE

APPL. NO.: 03-199239 [JP 91199239]

17/AN,AZ,TI/8 (Item 8 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

03781771
CAR MOUNTED RAIL OIL APPLYING DEVICE

APPL. NO.: 02-271375 [JP 90271375]

```
?show files;ds
File  35:Dissertation Abs Online 1861-2004/Mar
        (c) 2004 ProQuest Info&Learning
File  65:Inside Conferences 1993-2004/Apr W2
        (c) 2004 BLDSC all rts. reserv.
File   8:Ei Compendex(R) 1970-2004/Apr W1
        (c) 2004 Elsevier Eng.  Info. Inc.
File  94:JICST-EPlus 1985-2004/Mar W4
        (c)2004 Japan Science and Tech Corp(JST)
File   6:NTIS 1964-2004/Apr W2
        (c) 2004 NTIS, Intl Cpyrght All Rights Res
File 144:Pascal 1973-2004/Apr W1
        (c) 2004 INIST/CNRS
File  63:Transport Res(TRIS) 1970-2004/Mar
        (c) fmt only 2004 Dialog Corp.
File  99:Wilson Appl. Sci & Tech Abs 1983-2004/Mar
        (c) 2004 The HW Wilson Co.
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
        (c) 2002 The Gale Group
File  58:GeoArchive 1974-2004/Oct
        (c) 2004 Geosystems
File 292:GEOBASE(TM) 1980-2004/Apr B1
        (c) 2004 Elsevier Science Ltd.
File  89:GeoRef 1785-2004/Apr B2
        (c) 2004 American Geological Institute
File   2:INSPEC 1969-2004/Apr W1
        (c) 2004 Institution of Electrical Engineers
File  34:SciSearch(R) Cited Ref Sci 1990-2004/Apr W2
        (c) 2004 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
        (c) 1998 Inst for Sci Info
File 111:TGG Natl.Newspaper Index(SM) 1979-2004/Apr 15
        (c) 2004 The Gale Group

Set     Items   Description
S1    3958181   WARNING OR HORN? ? OR WHISTLE? ? OR BELL? ? OR SIREN? ? OR
            ALARM? ? OR ALERT? ? OR SIGNAL? ? OR STEAMWHISTLE? ? OR ALARU-
            M? ? OR HONK??? OR TOOT??? OR RING??? OR (FLASHING OR BLINKIN-
            G)()LIGHT? ? OR GATE? ? OR BARRIER? ?
S2     376602   TRAIN? ? OR RAILWAY? OR RAILROAD? OR RAIL()(WAY OR ROAD) OR
             ROLLING()STOCK OR FREIGHTTRAIN? ? OR EXPRESSTRAIN? ? OR PASS-
            ENGERTRAIN? ? OR LOCOMOTIVE? ? OR FREIGHTLINER OR FREIGHTER OR
             STEAMTRAIN? OR DIESELTRAIN? OR ELECTRICTRAIN?
S3    4840664   REQUIRED OR REQUIREMENT? ? OR REGULAT??? OR REG OR REGS OR
            LEGAL OR LAW OR PRESCRIBE? ? OR OBLIGATORY OR COMPULSORY OR I-
            MPERATIVE OR MANDATORY OR ORDINANCE OR STATUT???
S4    6188068   LOCATION? ? OR INTERSECTION? ? OR HIGHWAY? ? OR PLACE? ? OR
             POSITION OR COORDINATES OR CO()ORDINAT??? OR POINT OR ADDRESS
             OR SITE
S5    1115567   DATABASE? ? OR DATABANK? ? OR DATASET? ? OR DATAFILE? ? OR
            (DATA OR INFORMATION)()(BASE? ? OR BANK? ? OR SET? ? OR FILE?
            ?) OR DB OR RDBMS OR DBMS OR OODB
S6      11343   S1(10N)S2
S7      84340   S3(5N)S4
S8        445   S5(10N)S7
S9          4   S6(S)S8
S10    143102   S3(10N)S4
S11      3413   S5(S)S10
S12         5   S6(S)S11
S13         6   S6 AND S11
S14     21145   S1(S)S2
S15         8   S11 AND S14
S16        54   S1 AND S2 AND S3 AND S4 AND S5
S17     21145   S1(S)S2
S18     16115   S3(S)S4(S)S5
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S19	26	S17 AND S18
S20	24	S17(S)S18
S21	24	S20 NOT PY>2002
S22	24	S21 NOT PD=20020702:20040531
S23	16	RD (unique items)

23/3,K/2 **(Item 2 from file: 8)**
DIALOG(R)File 8:Ei Compendex(R)

01978099 E.I. Monthly No: EI8606051651 E.I. Yearly No: EI86098044
Title: ELECTRONIC SIGNAL BOXES ON FEDERAL GERMAN RAILWAYS.
Author: Wehner, Ludwig
Corporate Source: Deutsche Bundesbahn, West Ger
Source: Rail International v 16 n 9 Oct 1985 p 13-18
Publication Year: 1985
CODEN: RAIIAF ISSN: 0020-8442
Language: ENGLISH

Abstract: The introduction of electronic *signal* boxes on *railways* is not without financial risks. Engineers are faced with difficult tasks because of short innovation periods, huge development expenditure and the stringent *requirements* for safety and reliability *placed* on an electronic system. The *DB* will take several electronic *signal* boxes into operation between 1985 and 1987. Previous experience has revealed that release for serial...

...northern section of the approx. 300 km new line between Hanover and Wuerzburg with electronic *signal* boxes. From 1991, high-speed *trains* travelling at 250 km/h will use both these lines. (Author abstract)

23/3,K/5 **(Item 1 from file: 144)**
DIALOG(R)File 144:Pascal

15407164 PASCAL No.: 02-0097848
Energy optimised driving style management using a satellite-based train positioning platform
Computers in railways VII : Bologne, 2000
WINTER J; GU X; SCHMIDT M
ALLAN J, ed; HILL RJ, ed; BREBBIA CA, ed; SCIUTTO G, ed; SONE S, ed
DaimlerChrysler Rail Systems (Signal) GmbH, Germany
International conference on computers in railways, 7 (Bologne ITA) 2000
2000 1301-1307
Publisher: WIT Press, Southampton
Language: English

... more new opportunities for rail transport improvement. Based on the Global Positioning System (GPS), the *train* positioning system OPTIVIA developed by DaimlerChrysler Rail Systems (*Signal*) GmbH combines data from a variety of sources and provides accurate and reliable *position* data which can be used to optimise the transport process without a cost intensive infrastructure. The paper presents the principle and the performance of the GPS-based *train* positioning system. The system uses data collected from the GPS receiver, odometer and route *database* to achieve *required* positioning accuracy and availability. Although the sensors used have both strength and weaknesses, by combining the complementary strengths of the sensors, the *train* positioning system is able to determine accurate and reliable speed and *position* data. For example, odometer data can be calibrated from the available accurate GPS positioning data...

... the calibrated odometer data can provide reliable positioning when GPS positioning is not available during *signal* shadowing phases. With the integrated positioning data, the actual track related data (ramp, curve, speed limit, stopping *point* , tunnel, etc.) can be extracted from the route *data* *base*. As an useful application for satellite based *train* positioning system the energy optimised driving style manager is presented

here. Depending on track condition...

...storage. This system is scheduled to be tested on the Adtranz ICN (Swiss intercity tilting *train*) in 2000.

23/3,K/12 (Item 5 from file: 63)
DIALOG(R)File 63:Transport Res(TRIS)

00127007 DA
TITLE: THE DB'S OPTICAL WARNING SYSTEM FOR PERMANENT WAY MAINTENANCE GANGS ; DIE OPTISCHE ROTTENWARNANLAGE DER DB
AUTHOR(S): Koerber, H
CORPORATE SOURCE: Dr Arthur Tetzlaff-Verlag, Niddastrasse 64, Frankfurt am Main , West Germany
JOURNAL: Eisenbahningenieur Vol: 26 Issue Number: 3 Pag: pp 89-90
PUBLICATION DATE: 19750300 PUBLICATION YEAR: 1975
LANGUAGE: German SUBFILE: RRIS; RRIS (R 7601; R 76S1)
AVAILABILITY: Dr Arthur Tetzlaff-Verlag; Niddastrasse 64 ; Frankfurt am Main ; West Germany
FIGURES: 3 Fig.
DATA SOURCE: International Railway Documentation, Selection of

ABSTRACT: The use of audible *warning* *signals* to gangs working on the line causes much disturbance for people living near the *railway*, especially at night. The *DB* has tried to replace audible warnings by optical *signals* for work on the permanent way at night. The principle is that at the arrival of the *train*, the lighting intensity at the worksite is varied according to the two frequencies used by the *DB* to show the track on which the *train* is arriving. On engines with autonomous lighting, electronic flash-devices are used to warn the gangs. Finally, the author stresses that the present *warning* system depending on a look-out man, as used by the *DB*, is unsatisfactory from the safety *point* of view. Only automatically operated equipment could meet safety *requirements*. Moreover, this optical *warning* device saves manpower, as the look-out man is not *required*.

23/3,K/15 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

03975090 INSPEC Abstract Number: B91067160, C91056843
Title: SIPAC: an information system for signal boxes and traffic requirements
Author(s): Bourda, A.; Chardonnal, M.; Michel, P.
Journal: Revue General des Chemins de Fer vol.110, no.1 p.5-9
Publication Date: Jan. 1991 Country of Publication: France
CODEN: RGCFAI ISSN: 0035-3183
Language: French
Subfile: B C

Abstract: A computer system has been designed for medium-size *signal* boxes with microcomputer-based software. The list of the order of *trains* adapted to *signal* box *requirements* can be displayed on a VDU and can also be used for the remote display and public *address* system. This important aid affects about 20% of the work time of switching and can be enhanced by incorporating a track occupation graph in the application and setting up a *database* for the station.

23/AA,AN,TI/1 (Item 1 from file: 8)
DIALOG(R)File 8:(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

05835364
E.I. No: EIP01246544294
Title: Winner take-all experts network for sensor validation

23/AA,AN,TI/2 (Item 2 from file: 8)
DIALOG(R)File 8:(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

01978099
E.I. Monthly No: EI8606051651
Title: ELECTRONIC SIGNAL BOXES ON FEDERAL GERMAN RAILWAYS.

23/AA,AN,TI/3 (Item 1 from file: 94)
DIALOG(R)File 94:(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

05542214 JICST ACCESSION NUMBER: 02A0787058
Development of the construction support tool which for the operating control support system.

23/AA,AN,TI/4 (Item 1 from file: 6)
DIALOG(R)File 6:(c) 2004 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

NTIS Accession Number: DE00756340/XAB
Monitoring Large Enrichment Plants Using Thermal Imagery from Commercial Satellites: A Case Study

23/AA,AN,TI/5 (Item 1 from file: 144)
DIALOG(R)File 144:(c) 2004 INIST/CNRS. All rts. reserv.

15407164 PASCAL No.: 02-0097848
Energy optimised driving style management using a satellite-based train positioning platform
Computers in railways VII : Bologne, 2000

23/AA,AN,TI/6 (Item 2 from file: 144)
DIALOG(R)File 144:(c) 2004 INIST/CNRS. All rts. reserv.

14813649 PASCAL No.: 00-0496067
Bayesian analysis of multi-modal data and brain imaging
Optical pulse and beam propagation II : San Jose CA, 25-27 January 2000

23/AA,AN,TI/7 (Item 3 from file: 144)
DIALOG(R)File 144:(c) 2004 INIST/CNRS. All rts. reserv.

12390290 PASCAL No.: 96-0037543
A fast track to effective waste minimization : government and industry working together
Environmental conference : Houston TX, 27-29 March 1995

23/AA,AN,TI/8 (Item 1 from file: 63)
DIALOG(R)File 63:(c) fmt only 2004 Dialog Corp. All rts. reserv.

00933860
TITLE: ADVANCE WARNING TO AVOID RAILROAD DELAYS (AWARD) MODEL DEPLOYMENT

23/AA,AN,TI/9 (Item 2 from file: 63)
DIALOG(R)File 63:(c) fmt only 2004 Dialog Corp. All rts. reserv.

00793191
TITLE: METHODS FOR THE DEVELOPMENT AND USE OF A TRAFFIC VIOLATION DATABASE TO ENHANCE SAFETY ENFORCEMENT EFFORTS

23/AA,AN,TI/10 (Item 3 from file: 63)
DIALOG(R)File 63:(c) fmt only 2004 Dialog Corp. All rts. reserv.

00768872
TITLE: DEVELOPMENT OF A GIS-BASED CRASH REFERENCING AND ANALYSIS SYSTEM

23/AA,AN,TI/11 (Item 4 from file: 63)
DIALOG(R)File 63:(c) fmt only 2004 Dialog Corp. All rts. reserv.

00745804
TITLE: DEMONSTRATION OF AUTOMATED ENFORCEMENT SYSTEMS AT SELECTED HIGHWAY-RAILROAD GRADE CROSSINGS IN TEXAS

23/AA,AN,TI/12 (Item 5 from file: 63)
DIALOG(R)File 63:(c) fmt only 2004 Dialog Corp. All rts. reserv.

00127007
TITLE: THE DB'S OPTICAL WARNING SYSTEM FOR PERMANENT WAY MAINTENANCE GANGS ; DIE OPTISCHE ROTTENWARNANLAGE DER DB

23/AA,AN,TI/13 (Item 1 from file: 2)
DIALOG(R)File 2:(c) 2004 Institution of Electrical Engineers. All rts. reserv.

Title: Wireless communications based system to monitor performance of rail vehicles

23/AA,AN,TI/14 (Item 2 from file: 2)
DIALOG(R)File 2:(c) 2004 Institution of Electrical Engineers. All rts. reserv.

Title: Assessing seriousness of road destruction and signal control algorithm under disasters

23/AA,AN,TI/15 (Item 3 from file: 2)
DIALOG(R)File 2:(c) 2004 Institution of Electrical Engineers. All rts. reserv.

Title: SIPAC: an information system for signal boxes and traffic requirements

23/AA,AN,TI/16 (Item 4 from file: 2)
DIALOG(R)File 2:(c) 2004 Institution of Electrical Engineers. All rts. reserv.

Title: Mobile block system being enforced in West Germany

```
?show files;ds
File   9:Business & Industry(R) Jul/1994-2004/Apr 14
         (c) 2004  The Gale Group
File  15:ABI/Inform(R) 1971-2004/Apr 15
         (c) 2004 ProQuest Info&Learning
File 148:Gale Group Trade & Industry DB 1976-2004/Apr 15
         (c)2004 The Gale Group
File 647:CMP  Computer Fulltext 1988-2004/Apr W1
         (c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/Apr W1
         (c) 2004 IDG Communications
File 990:NewsRoom Current Jan-2004/Apr 15
         (c) 2004 The Dialog Corporation
File  80:TGG Aerospace/Def.Mkts(R) 1986-2004/Apr 15
         (c) 2004 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2004/Apr 15
         (c) 2004 The Gale Group
File  47:Gale Group Magazine DB(TM) 1959-2004/Apr 15
         (c) 2004 The Gale group
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Apr 15
         (c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Apr 15
         (c) 2004 The Gale Group
File  16:Gale Group PROMT(R) 1990-2004/Apr 15
         (c) 2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
         (c) 2003 EBSCO Pub.
File 587:Jane`s Defense&Aerospace 2004/Apr W2
         (c) 2004 Jane`s Information Group
File 239:Mathsci 1940-2004/May
         (c) 2004 American Mathematical Society
File 624:McGraw-Hill Publications 1985-2004/Apr 14
         (c) 2004 McGraw-Hill Co. Inc
File 256:SoftBase:Reviews,Companies&Prods. 82-2004/Mar
         (c)2004 Info.Sources Inc
File 484:Periodical Abs Plustext 1986-2004/Apr W2
         (c) 2004 ProQuest
File 141:Readers Guide 1983-2004/Apr
         (c) 2004 The HW Wilson Co

Set     Items   Description
S1    5152218   WARNING OR HORN? ? OR WHISTLE? ? OR BELL? ? OR SIREN? ? OR
             ALARM? ? OR ALERT? ? OR SIGNAL? ? OR STEAMWHISTLE? ? OR ALARU-
             M? ? OR HONK??? OR TOOT??? OR RING??? OR (FLASHING OR BLINKIN-
             G)()LIGHT? ? OR GATE? ? OR BARRIER? ?
S2    1089789   TRAIN? ? OR RAILWAY? OR RAILROAD? OR RAIL()(WAY OR ROAD) OR
              ROLLING()STOCK OR FREIGHTTRAIN? ? OR EXPRESSTRAIN? ? OR PASS-
             ENGERTRAIN? ? OR LOCOMOTIVE? ? OR FREIGHTLINER OR FREIGHTER OR
              STEAMTRAIN? OR DIESELTRAIN? OR ELECTRICTRAIN?
S3   11378936   REQUIRED OR REQUIREMENT? ? OR REGULAT??? OR REG OR REGS OR
             LEGAL OR LAW OR PRESCRIBE? ? OR OBLIGATORY OR COMPULSORY OR I-
             MPERATIVE OR MANDATORY OR ORDINANCE OR STATUT???
S4   16621599   LOCATION? ? OR INTERSECTION? ? OR HIGHWAY? ? OR PLACE? ? OR
             POSITION OR COORDINATES OR CO()ORDINAT??? OR POINT OR ADDRESS
              OR SITE
S5    2445814   DATABASE? ? OR DATABANK? ? OR DATASET? ? OR DATAFILE? ? OR
             (DATA OR INFORMATION)()(BASE? ? OR BANK? ? OR SET? ? OR FILE?
             ?) OR DB OR RDBMS OR DBMS OR OODB
S6      21973   S1(10N)S2
S7     334388   S3(5N)S4
S8       2049   S5(10N)S7
S9          0   S6(S)S8
S10         3   S6 AND S8
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S11	44765	S1(S)S2
S12	36350	S3(S)S4(S)S5
S13	170	S11 AND S12
S14	109	S11(S)S12
S15	21973	S1(10N)S2
S16	9255	S3(10N)S4(10N)S5
S17	0	S15(S)S16
S18	14	S12(S)S15
S19	0	S11(S)S16
S20	13	S18 NOT PY>2002
S21	13	S20 NOT PD=20020702:20040531
S22	8	RD (unique items)

22/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

1677871 Supplier Number: 01677871 (USE FORMAT 7 OR 9 FOR FULLTEXT)
EDR Adds Railroad Corridors To Database
(EDR Wireless Group has included railroad corridors in its updated EDR Site Locator database)
Wireless Week, p 11
November 25, 1996
DOCUMENT TYPE: Journal ISSN: 1085-0473 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 402

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...Wireless Group Division.

Railroad corridors are particularly appealing as potential antenna sites because they provide *locations* that are free of *ordinance* hassles. These corridors "are typically in an industrial area in which zoning boards tend to look," for sites, according to Gary Pfeiffer, manager of communications and *signal* revenue at Consolidated Rail Corp. Conrail is one of several *railroads* that provided input for the *database*. Corridor location is not always a given, Pfeiffer warned, since in some cases "it's...

22/3,K/2 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00884268 95-33660
New York: All signals are "go"
Vantuono, William C
Railway Age v195n6 PP: 41-49 Jun 1994
ISSN: 0033-8826 JRNL CODE: RAA
WORD COUNT: 2937

...TEXT: 41). New systems, or adaptations of existing technology, are in various stages of development.

General *Railway* *Signal* describes its next-generation *train* control system (code name ATLAS(TM)) as a communications-based, intelligent-vehicle system in which the vehicle determines its precise *location* and controls its speed/braking profile. ATLAS(TM) uses a vital *database* that contains vehicle/train and infrastructure characteristics. Because it is an intelligent-vehicle system, it...

... without forcing any trains to stop. The system eliminates the need for the stringent synchronization *required* by systems that use the VWC link to determine vehicle *position*. ATLAS(TM) also provides for automatic data link rerouting.
ATLAS(TM), says GRS, is a...

22/3,K/3 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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11852717 SUPPLIER NUMBER: 60087568 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A PROPOSED HIGHWAY-RAIL GRADE CROSSING RULE.(Brief Article)
Railway Age, 201, 2, 19
Feb, 2000

DOCUMENT TYPE: Brief Article ISSN: 0033-8826 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 164 LINE COUNT: 00016

TEXT:

A PROPOSED HIGHWAY-RAIL GRADE CROSSING RULE will require *locomotive* engineers to sound their *horns* at every public crossing except those in communities designated as quiet zones (RA, October 1999...

...four quadrant gates, median devices at gated crossings, temporary closure, photo-enforcement, long-term, programmatic *law* enforcement, and targeted public education. Among the rule's major points are a maximum horn or whistle sound level of 104 *dB* or 111 *dB* and a time limit on horn or whistle sound. The rule has been posted on...

22/AA,AN,TI/1 (Item 1 from file: 9)
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1677871 Supplier Number: 01677871
EDR Adds Railroad Corridors To Database

22/AA,AN,TI/2 (Item 1 from file: 15)
DIALOG(R)File 15:(c) 2004 ProQuest Info&Learning. All rts. reserv.

00884268 95-33660
New York: All signals are "go"

22/AA,AN,TI/3 (Item 1 from file: 148)
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11852717 SUPPLIER NUMBER: 60087568
A PROPOSED HIGHWAY-RAIL GRADE CROSSING RULE. (Brief Article)

22/AA,AN,TI/4 (Item 1 from file: 47)
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04385899 SUPPLIER NUMBER: 17726340
Undergraduate instruction and the Internet. (The Library and Undergraduate Education)

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03914008 Supplier Number: 50125628
-OLIVETTI COMPUTERS: New NetStrada server based on state-of-the-art Intel Pentium II Xeon processor

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03911525 Supplier Number: 50116598
-OLIVETTI COMPUTERS WORLDWIDE: Olivetti announces new NetStrada server

22/AA,AN,TI/7 (Item 1 from file: 587)
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10873968
US resurrects satellite trials

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0018444
Rail plan revives Columbia, S.C.: Untying a transportation Gordian knot will spur city's growth